

WHAT IS CLAIMED IS:

- 1) A method for coloring fertilizers, which comprises the production of a pigment preparation comprising 5 to 60% by weight of at least one pigment, 40 to 95% by weight of a paraffin oil and/or vegetable oil, 0 to 10% by weight of a dispersant or dispersant mixture and 0 to 5% by weight of conventional additives, in each case based on the total weight of the pigment preparation, the optional dilution of the pigment preparation with paraffin oil and/or vegetable oil, and the application of the pigment preparation or diluted pigment preparation to the fertilizer to be colored.
- 2) The method as claimed in claim 1, wherein the pigment preparation comprises 5 to 40% by weight of at least one organic pigment and 60 to 95% by weight of a paraffin oil and/or vegetable oil.
- 3) The method as claimed in claim 1, wherein the pigment preparation comprises 10 to 60% by weight of at least one inorganic pigment and 40 to 90% by weight of a paraffin oil and/or vegetable oil.
- 4) The method as claimed in at least one of claims 1 to 3, wherein the pigment is an organic pigment from the group consisting of monoazo pigments, diazo pigments, diazo condensation pigments, laked azo pigments, triphenylmethane pigments, thio indigo pigments, thiazine-indigo pigments, perylene pigments, perinone pigments, anthanthrone pigments, diketopyrrolopyrrole pigments, dioxazine pigments, quinacridone pigments, phthalocyanine pigments, isoindolinone pigments, isoindoline pigments, benzimidazolone pigments, naphthol pigments, quinophthalone pigments, furnace blacks and gas blacks.
- 5) The method as claimed in at least one of claims 1 to 3, wherein the pigment is an inorganic pigment from the group consisting of white pigments, iron oxide pigments, iron blue pigments, chromium oxide pigments, ultramarine pigments, mixed phase pigments, sulfide/sulfide selenide pigments, carbonate pigments,

chromate/chromate-molybdate pigments, complex salt pigments, silicate pigments, luster pigments and luminescent pigments.

6) The method as claimed in at least one of claims 1 to 5, wherein the fertilizer
5 is a synthetic inorganic fertilizer from the group consisting of nitrogen, phosphate, potassium, calcium and magnesium fertilizers.

7) The method as claimed in at least one of claims 1 to 6, wherein a
suspension agent, anticaking agent, wetting agent, preservative, viscosity
10 stabilizer and/or additive for influencing the rheology is used as conventional additive.

8) The method as claimed in at least one of claims 1 to 7, wherein the
pigment, in the form of a powder or granular material, is dispersed in the presence
15 of the paraffin oil and/or vegetable oil and optionally of the dispersant and/or of the conventional additives.

9) The method as claimed in at least one of claims 1 to 8, wherein the pigment
preparation or the diluted pigment preparation is applied to the fertilizer in an
20 amount of 0.00001 to 0.10% by weight, based on the weight of the fertilizer to be colored.

10) The method as claimed in claim 9, wherein the pigment preparation or the
diluted pigment preparation is sprayed onto the surface of the fertilizer.